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### A new provincial record of *Polysarcus elbursianus* in East Turkey (*Orthoptera, Tettigoniidae*)

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**Abstract:** A new provincial record of *Polysarcus elbursianus* in East Turkey (*Orthoptera, Tettigoniidae*). *Cesa News* 158: 1-3, 1 fig, 1 map.

*Polysarcus elbursianus* is reported here from Bitlis Province (East Turkey) for the first time. Illustrations of adult male and a distributional map are also given.

**Key words:** *Orthoptera, Tettigoniidae, Polysarcus elbursianus, Bitlis, Mutki, Turkey, fauna, pest.*

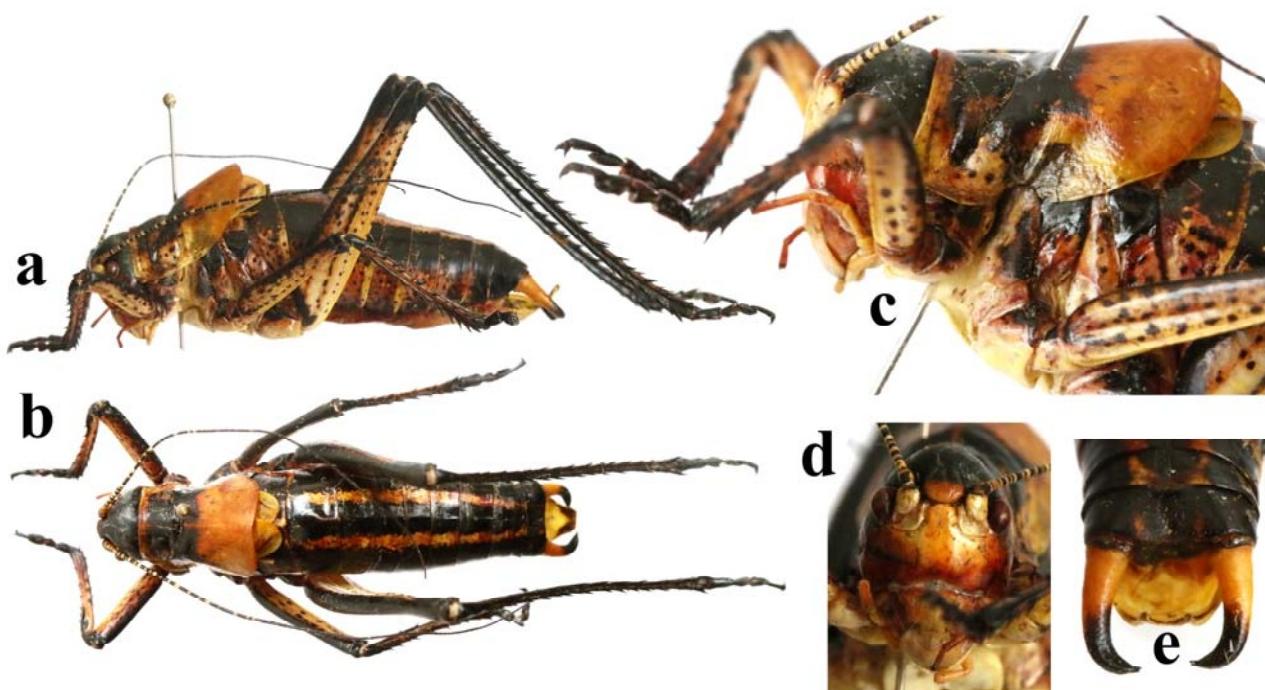
*Polysarcus elbursianus* was described by Uvarov (1930) from northern Iran. In recent years, damages of the enormous populations of this species in Bahçesaray district (Van Province) have been discussed (Kemal et al., 2016; Kemal & Koçak, 2017). The gregarious phase of the species, appearing once in two years, is very interesting. This phase has been observed in Bahçesaray in 2014, 2016, and 2018 (present year). This month, the first author capture a single adult male from Aydemir village (Mutki, Bitlis Province). This is the first record of this potentially dangerous species in Bitlis Province (Fig. 1a-e). Previously, *Polysarcus elbursianus* was reported with hesitation from Kusgunkiran Pass (Van Province), and "Kars-Horasan road" [Sarıkamış, Kars Province] (Warchałowska-Sliwa et al., 2013) (Map 1).

Material studied: 1♂. East Turkey, Bitlis Province, Mutki, Aydemir village 1700m, 10.vi.2018, M. Kemal leg. (Cesa).

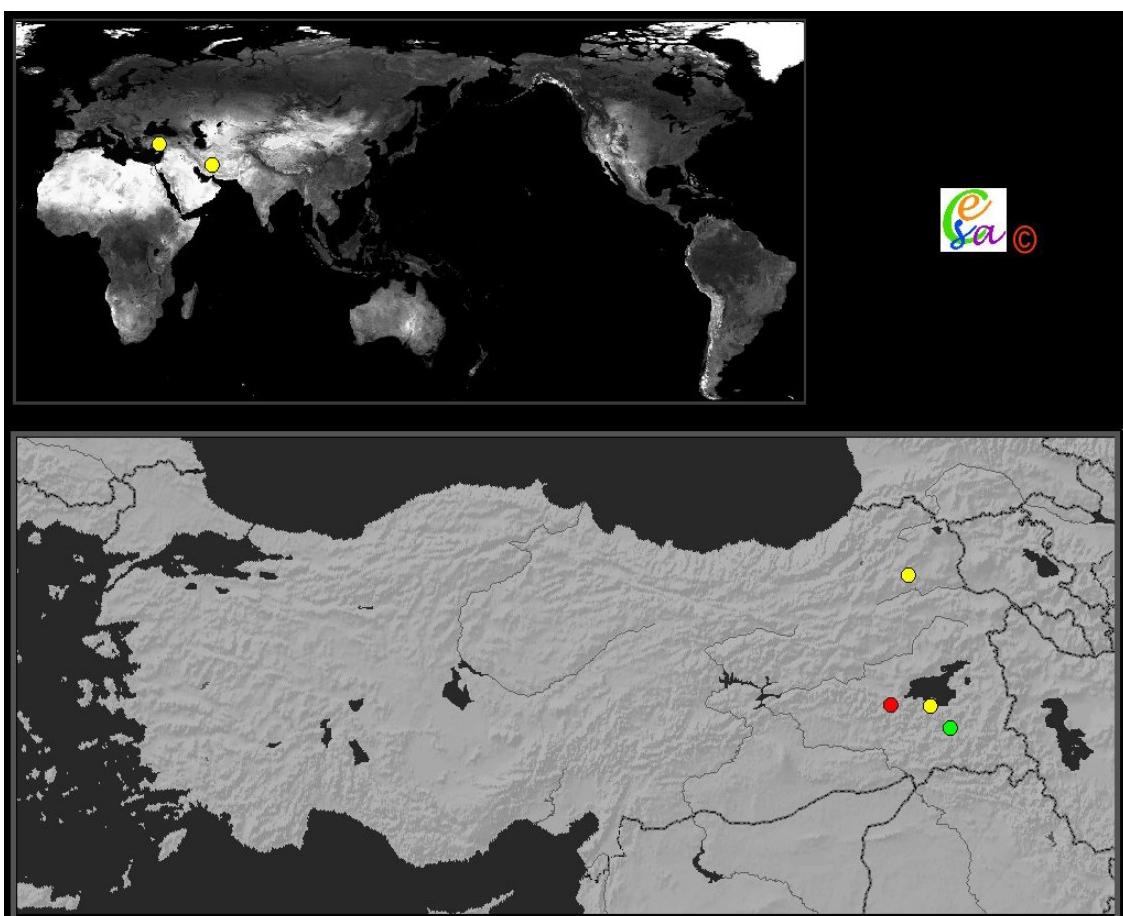
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**Fig. 1** - Various aspects of *Polysarcus elbursianus* (Tettigoniidae) from Bitlis Prov., Mutki, Aydemir. **a** – lateral view, **b** – dorsal view, **c**- lateral view of pronotum, **d**- frons, **e** – dorsal view of male genitalia. M.Kemal (Cesa).



## Range of the species in Turkey and in the World

**Map 1** – Distribution of *Polysarcus elbursianus*. Above: Yellow, Turkey, Iran. Below: Yellow, Sarıkamış and Kusgunkiran. Green, Bahçesaray. Red, Mutki (present record).

## References

- Kemal, M., Hakan,E., Koçak, A.Ö. & H.Tekin,** 2016, *Polysarcus elbursianus* in Van Province (East Turkey) (Orthoptera, Tettigoniidae). *Cesa News* 127: 1-10, 25 figs., 1 tab.
- Kemal, M. & A.Ö.Koçak,** 2017, Observations and notes on Dermaptera, Mantodea and Orthoptera of Bahcesaray district (Van Province, East Turkey) *Cesa News* 145: 1-12, 24 figs.
- Uvarov,B.P., 1930,** Studies in the Iranian Orthoptera I. Some new or less-known Tettigoniidae. *Ann. Mus. Zool. Imp. Sci., St. Petersburg* 30: 623-639.
- Warchałowska-Sliwa,E., et al., 2013,** Molecular and classical chromosomal techniques reveal diversity in bushcricket genera of Barbitistini (Orthoptera). *Genome* 56: 667-676.

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